

Amendments to the Specification:

Please replace the paragraph beginning at line 4 of page 2 with the following rewritten paragraph:

In FIG. 1, an ATM switching system 100 is connected with subscriber's terminal units 151 and 152. The ATM switching system 100 comprises an ATM switch 101 for implementing switching processing, a multiplexer 102 connected to an input stage of the ATM switch 101, a separator 103 connected to an output stage of the ATM switch 101, an input line unit 104, an output line unit 105 connected to an output stage of the separator 103, a signal processor 106 for inputting signals from the subscriber's terminal unit 151 to the multiplexer 102, a speech channel controller 107 connected to the ATM switch 101, a call processor 108 connected to the speech channel controller 107, and a memory 109 connected to the call processor 108.

Please replace the paragraph beginning at line 1 of page 10 with the following rewritten paragraph:

Furthermore, when the call-signal processing section 15 receives a request for response 22 from the trunk ATM switching network 3 concerning the request for connection 21 delivered to the trunk ATM switching network 3, a VPI (Virtual [[Pass]] Path Identifier)/VCI (Virtual Channel Identifier) value that has not been used yet in a transmission path in which a subscriber's terminal unit having a call history resides is selected, the VPI/VCI value is made to be a set with a VPI/VCI value in a response for connection 27 on the side of a switching network received, and the set of values is retained in the connection table memory 12 as switch connection information. The ATM switch 11 is controlled by the switch connection information thus obtained. Since the

switch connection information is a result obtained by making a request for connection in advance with respect to the side of the trunk ATM switching network 3 to discriminate a theoretical communication path, there is no need to take freshly a confirmation upon the side of the trunk ATM switching network with respect to a request for connection from the subscriber's terminal units 2₁ to 2_n in the future.